## **CLAIMS**

- 1. An exhaust gas turbocharger comprising:
  - a twin scroll turbine housing;

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a turbine wheel positioned in said twin scroll housing;

exhaust gas inlets, operatively connected to port exhaust gas through each side of said twin scroll turbine housing and onto said turbine wheel;

a bypass, operatively connected to port exhaust gas around said exhaust gas inlets to bypass said turbine wheel; and

a valve, operatively positioned to control exhaust gas flow to said exhaust gas inlets and said bypass.

- 2. The exhaust gas turbocharger of claim 1, where said valve is a barrel valve.
- 3. The exhaust gas turbocharger of claim 1, where said valve can be positioned to completely block said exhaust gas inlets on start-up to direct exhaust gas to heat a catalytic converter.
  - 4. The exhaust gas turbocharger of claim 1, further comprising an electronic controller operationally coupled to position said valve.
  - 5. An exhaust gas turbocharger mounted on a gasoline fueled engine, said exhaust gas turbocharger comprising:

a twin scroll turbine housing;

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a turbine wheel positioned in said twin scroll housing;

exhaust gas inlets, operatively connected to port exhaust gas through each side of said twin scroll turbine housing and onto said turbine wheel;

a bypass, operatively connected to port exhaust gas around said exhaust gas inlets to bypass said turbine wheel;

a valve, operatively positioned to control exhaust gas flow to said exhaust gas inlets and said bypass; and

a processor configured to position said valve.

- 6. The exhaust gas turbocharger of claim 5, where said valve is a barrel valve.
- 7. The exhaust gas turbocharger of claim 5, where said valve can be positioned to completely block said exhaust gas inlets on start-up to direct all exhaust gas to heat a catalytic converter.